

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001518

## CLASSIFICATION OF SUBJECT MATTER

**IPC7 C07C 317/30**

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
The Korean patents and applications for the inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CA: Structure searched based on Formula 1

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/100824 A1 (Chemical Research Incorporation, Korea Tabacco & Ginseng Corporation) 19 December 2002, see the whole document	1-6
X	Guan, Jian et al., "Antitumor Agents. 185. Synthesis and Biological Evaluation of Tridemethylthiocolchicine Analogs as Novel Topoisomerase II Inhibitors", Journal of Medicinal Chemistry, 1998, 41(11), 1956-1961 see sheme 1 on page 1985, compounds 16-26	1-6
X	Sun, Li et al., "Antitumor agents. 141. Synthesis and biological evaluation of novel thiocolchicine analogs: N-acyl, N-aryl-, and N-(substituted benzyl)deacetylthiocolchicines as potent cytotoxic and antimitotic compounds", Journal of Medicinal Chemistry, 1993, 36(10), 1474-9 see compounds 13, 19	1-6
X	Plourde, Robert et al., "A hepatocyte-targeted conjugate capable of delivering biologically active colchicine in vitro", Bioconjugate Chemistry, 1996, 7(2), 281 see figure 1 and scheme 1, compounds 4, 7	1-6
A	WO 97/01570 A1(INDENA S.P.A.) 16 January 1997	1-6

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/KR

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/001518

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
W002100824A1	19.12.2002	EP1404652A1 W002100824A1	07.04.2004 19.12.2002
W09701570A1	16.01.1997	AT212033T AU6414696A AU717082B2 CA2225284A1 CN1188482A DE69618600D1 DE69618600T2 DK840738T3 EP0840738A1 ES2171691T3 HK1009138A1 HU9901685A2 ITM1951367A1 JP11501324T JP3130050B2 N0976001A PL324621A1 PT840738T RU2163241C2 US5880160A	15.02.2002 30.01.1997 16.03.2000 16.01.1997 22.07.1998 21.02.2002 08.08.2002 06.05.2002 13.05.1998 16.09.2002 09.08.2002 28.09.1999 27.12.1996 02.02.1999 31.01.2001 19.12.1997 08.06.1998 31.05.2002 20.02.2001 09.03.1999